# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION As a below named inventor, I hereby declare that:

dy residence, post office address			
believe I am the original, firs and joint inventor (if plural nam patent is sought on the invention	es are listed below; of the	one name is listed below) or an o subject matter which is claimed as	original, first nd for which a
PROGRAM OPTIMIZATION METHOD AN	D COMPILER USING THE PROGRAM	OPTIMIZATION METHOD	
the specification of which (check	one)		•
X is attached hereto.			
was filed on			
	ication Number(if application number		
I hereby state that I have review the claims, as amended by any ame	red and understand the conten- undment referred to above.	ts of the above identified specifi	leation, including
I acknowledge the duty to disclosuccordance with Title 37, Code of	e information which is mater Federal Regulations, Section	ial to the patentability of this and 1.56.	application in
foreign application(s) for patent which designated at least one con	or inventor's certificate, intry other than the United S	ed States Code, §119(a)-{d} or §3 or §365(a) of any PCT Internation tates, listed below and have also ventor's certificate, or PCT Inte ion on which priority is claimed:	al application identified below, rnational
Prior Foreign Application(s)			Priority Claimed
2001-055996	Japan	28/02/01 (Day/Month/Year Filed)	X Yes No
, .			Yes No
	<del>-</del>	(Day/Month/Year Filed)	Yes No
· · ·		(Day/Month/Year Filed)	
I hereby claim the benefit under	35 U.S.C. \$119(e) of any Uni	ted States provisional applicatio	n(s) listed below.
(Application Number)	(Filing Date)	_	
(Application Number)	(Filing Date)		
date of the prior application an (Application Serial No.)	d the national or PCT interna	in 37 CFR §1.56 Which occurred be tional filing date of this applic (Status) (patented, pend	ation:
(Application Serial No.)	(Filing Date)	(Status) (patented, pend	
information and belief are belief that willful false statements an Section 1001 of Title 18 of the of the application or any patent POWER OF ATTORNEY: As a named i	ved to be true, and further id the like so made are punish United States Code and that is issued thereon.	nowledge are true and that all sta that these statements were made with the properties or imprisonment, or sillful false statements may jeopa following attorney(s) and/or agen Trademark Office connected therew	tements made on th the knowledge both, under rdize the validity
registration number).  Manny W. Schecter (Reg. 31,722), Ke 26,279), Joseph C. Redmond, Jr. (Reg Kaufinan (Reg. 29,551), Richard M. L	vin M. Jordan (Reg. 40,277), Chr . 18,753), Marc A. Ehrlich, (Reg. udwin (Reg. 33,010), Robert P. T Morris (Reg. 32,053), Paul J. Otte	istopher A. Hughes (Reg. 26,914), John 39,966), Derek S. Jennings (Reg. 41,47 assinari (Reg. 36,030), Robert M. Trepp rstedt (Reg. 37,411) Marian Underweise	E. Hoel (Reg. 3) Stephen C. (Reg. 25,933), Louis
Send Correspondence to:Dougla	s W. Cameron. Intellectual P.	operty Law Dept.	
IPM Co	rporation, P.O. Box 218, Yo	ktown Heights, New York 10598	
Direct Telephone Calls to: (name	and telephone number) <u>Doug</u>	las W. Cameron at (914) 945-3244	
Motohiro Kawahito Full name of sole or first	inventor /		
Motohi			13/2002
Inventor's Signature		Date	
683-29 Kamitsuruma, Sagar Residence	<u>ihara-shi, Kanaqawa-ke</u>	n, Japan	
Japan Citizenship			
Same as above.			
Post Office Address		•	

## DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Hideaki Komatsu	
Full name of second joint-inventor, if any	T /13 / 52 = 3
Hideshi Kometen	Tune/13/2002
Inventor's signature	Date
1-24-5-1004 Kagahara, Tsuzuki-ku, Yokohama-shi, Japan	
Residence	
Japan	
Citizenship	
Same as above.	
Post Office Address	
John Craig Whaley Full name of third joint-inventor, if any	
Inventor's signature	Date
151 Calderon Avenue #194, Mountain View, California 940	041
Residence	
USA Citizenship	
Same as above. Post Office Address	
Full name of fourth joint-inventor, if any	
· · · · · · · · · · · · · · · · · · ·	
Inventor's Signature	Date
Residence	
Citizenship	
Post Office Address	
Full name of fifth joint inventor, if any	
full name of fifth joint inventor, if any	
Inventor's Signature	Date
Intelled & Significate	
Residence	
Citizenship	
Post Office Address	
Full name of sixth joint-inventor, if any	
	<u> </u>
Inventor's signature	Date
Residence	-
Citizenship	
Post Office Address	

#### DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor. I hereby declare that: My residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: PROGRAM OPTIMIZATION METHOD AND COMPILER USING THE PROGRAM OPTIMIZATION METHOD the specification of which (check one) \_ is attached hereto. X was filed on Pebruary 27, 2002 as United States Application Number 10/085,455 or PCT International Application Number (if applicable) and was amended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, Section 1.55. I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(s) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application, having a filing date before that of the application on which priority is claimed: Priority Claimed Prior Foreign Application(s) X Yes \_ 28/02/01 Japan (Country) 2001-055996 (Day/Month/Year Filed) (Number) (Day/Month/Year Filed) (Country) (Number) (Day/Month/Year Filed) (Country) (Number) I hereby claim the benefit under 35 U.S.C. \$119(e) of any United States provisional application(s) listed below. (Filing Date) (Application Number) (Filing Date) (Application Number) I hereby claim the benefit under 35 U.S.C. §120 of any United States Application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States, or PCT International application in the menner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information material to the patentability of this application as defined in 37 CFR \$1.56 which occurred between the filing date of the prior application and the national or PCF international filing date of this application: (Filing Date) (Status) (patented, pending, abandoned) (Application Serial No.) (Status) (patented, pending, abandoned) (Filing Date) (Application Serial No.) I hereby declare that all statements made herein of my own knowledge are true and that all statements made on Integral delicated the trip and the structure of the trip and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that willful false statements may jeopardize the validity of the application or any patent Issued thereon. POWER OF ATTORNEY: As a named inventor I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patwnt and Trademark Office connected therewith (list name and registration number). Manny W. Schecter (Reg. 31,722), Kevin M. Jordan (Reg. 40,277), Christopher A. Hughes (Reg. 26,914), John E. Hoel (Reg. 26,279), Joseph C. Redmond, Jr. (Reg. 18,753), Marc A. Ehrlich, (Reg. 39,966), Derek S. Jennings (Reg. 41,473) Stephen C. Kaufman (Reg. 29,551), Richard M. Ludwin (Reg. 33,010), Robert P. Tassinari (Reg. 36,030), Robert M. Trepp (Reg. 25,933), Louis P. Herzberg (Reg. 41,500), Daniel P. Morris (Reg. 32,053), Paul J. Otterstedt (Reg. 37,411) Marian Underweiser (Reg. 46,134), Douglas W. Cameron (Reg. 31,596), Timothy M. Farrell (Reg. 37,321) and Gail H. Zarick (Reg. 43,303). Send Correspondence to: <u>Dauglas W. Cameron, Intellectual Property Law Dent.</u> 18M Corporation, P.O. Box 218, Yorktown Heights, New York Direct Telephone Calls to: (name and telephone number) Douglas W. Cameron at (914) 945-3244 Motohiro Kawahito Full name of sole or first inventor Inventor's Signature Date 683-29 Kamitsuruma, Sagamihara-shi, Kanagawa-ken, Japan Residence Japan Citizenship

Same as above. Post Office Address DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Docket No. JP920000420US1

## Hideaki Komatsu Full name of second joint-inventor, if any Inventor's signature Date 1-24-5-1004 Kagahara, Tsuzuki-ku, Yokohama-shi, Japan Residence Japan Citizenship Same as above. Post Office Address John Craig Whaley Full name of third joint-inventor, if any 7-11-2002 151 Calderon Avenue #194, Mountain View, California 94041 Residence USA Citizenship Same as above. Post Office Address Full name of fourth joint-inventor, if any Inventor's Signature Date Residence Citizenship Post Office Address Full name of fifth joint inventor, if any Date Inventor's Signature Residence Citizenship Post Office Address Full name of sixth joint-inventor, if any Inventor's signature Date Residence Citizenship Post Office Address

/ N-IRM YORKTOWN 914 945

Atty. Docket No. JP920000420US1

## RECORDATION FORM COVER SHEET PATENTS ONLY

To The Honorable Commissioner of Patents and Trademarks:					
Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies):	2. Name and address of receiving				
<b>1</b>	party(ies):				
Motohiro Kawahito					
Hideaki Komatsu John C. Whaley	Name: International Business				
John C. Whaley	Machines Corporation Address: New Orchard Road				
	Armonk, NY 10504				
	ALIMONK, NI 10304				
Additional name(s) of conveying	Additional name(s) & addresses				
party(ies) attached?Yes X No	attached? Yes X No				
3. Nature of conveyance:	4. Patent Application number(s)				
X Assignment	10/085,455				
	20, 210, 100				
Execution Date(s): June 13, 2002 and	Execution Date(s): February 7, 2002				
July 17, 2002					
5. Name and address of party to	6. Total number of applications				
whom correspondence concerning	involved: 1				
document should be mailed:					
Name: Douglas W. Cameron	7. Total fee (37 CFR 3.41): \$40,00				
Address: IBM Corporation					
Intellectual Property Law	X Charge to Deposit Account No.:				
P.O. Box 218	09-0468				
Yorktown Heights, NY 10598					
DO NOT USE	THIS SPACE				
8. Statement and signature.					
To the best of my knowledge and belief, the foregoing information is true and					
correct and any attached copy is a true copy of original document.					
\ \( \langle \ \ \langle \langle \ \langle \langle \ \langle					
Douglas W. Cameron (Reg. No. 31,596)					
Name of Person Signing	Signature Date				
Total Number of pages in	ncluding cover sheet,				
attachments, and document: _2_					

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Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, DC 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, DC 20503.

(JOINT FORM)

IBM Docket) JP920000420US1

## Assignment

Whereas, we INVENTOR AND CITY (1) Motohiro Kawahito of Kanagawa-ken County of and Country of Japan INVENTOR AND CITY (2) Hideaki Komatsu of Yokohama-shi County of and Country of Japan INVENTOR AND CITY (3) John C. Whaley of Mountain View County of and State of California INVENTOR AND CITY of County of and State of have invented certain improvements in TITLE PROGRAM OPTIMIZATION METHOD AND COMPILER USING THE PROGRAM OPTIMIZATION METHOD and executed, respectively, a United States patent application therefor on DATES THAT 2002 and (2) INVENTORS (3) July 11, 2002 2002 and (4) 2002 SIGNED THE DECLARATION

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said applications to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

	Signed				
CITY AND	(1) at				
DATE	on	2002,		<u> </u>	SIGNATURE
			( Motohiro	- Kawahi	
			FIRST NAME	MIDDLE INITIAL LAST	NAME
CITY AND	(2) at				
	on	2002,			SIGNATURE
		,	( Hideaki	- Komats	
			FIRST NAME	MIDDLE INITIAL LAST	NAME
CITY AND	(3) at		$\cap \mathcal{C}$		
DATE	on July 11,	2002,	lom	C Whalas	SIGNATURE
			(Jøhn	C. Wasai	
			first name	MIDDLE INITIAL LAST	Name
CITY AND	(4) at				
DATE	on	2002,			SIGNATURE
			(		) INVENTOR
			FIRST NAME	MIDDLE INITIAL LAST	•

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

patent is sought on the invention	entitled:	subject matter which is claimed a	and for which a
PROGRAM OPTIMIZATION METHOD AND	COMPILER USING THE PROGRAM O	PTIMIZATION METHOD	
the specification of which (check	( one)		
is attached hereto.			
X was filed on February 27,	2002 us United States App	plication Number 10/085,455	
or PCT International Appli and was amended on	ication Number(if applic	able)	
I hereby state that I have review the claims, as amended by any ame	ed and understand the content numbers referred to above.	nts of the above identified specif	fication, including
I acknowledge the duty to disclos accordance with Title 37, Code of	e information which is mate: Federal Regulations, Section	rial to the patentability of this on 1.56.	application in
I hereby claim foreign priority by foreign application(s) for patent which designated at least one could by checking the box, any foreign application, having a filing date	or inventor's certificate, ntry other than the United : application for patent or in	or §365(a) of any PCT Internation States, listed below and have also nyontor's certificate, or PCT Inte	al application dentified below,
Prior Foreign Application(s)			Priority Claimed
2001-055996	Japan	28/02/01	_X_Yes No
(Number)	(Country)	(Day/Month/Year Filed)	Yes No
(Number)	(Country)	(Day/Month/Year Filed)	Yes No
(Number)	(Country)	(Day/Month/Year Filed)	
I hereby claim the benefit under	35 U.S.C. \$119(e) of any Uni	ted States provisional application	n(s) listed below.
(Application Number)	(Filing Date)	<del>_</del>	
(Application Number)	(Filing Date)	<del></del>	
in the manner provided by the fir material to the patentability of date of the prior application and	this application as defined	in 37 CFR \$1.56 which occurred be	tween the filing
(Application Serial No.)	(Filing Date)	(Status) (patented, pend.	ing, abandoned)
(Application Serial No.)	(Filing Date)	(Status) (patented, pend	ing, abandoned)
I hereby declore that all stateme information and belief are believ that willful false statements and Section 1001 of Title 18 of the U of the application or any patent	ed to be true; and further ( the like so made are punts) nited States Code and that w	hat these statements were made wi	th the knowledge
POWER OF ATTORNEY: As a named in this application and transact all registration number).	ventor I hereby appoint the business in the Patent and	following attorney(s) and/or agen Trademark Office connected therew	t(s) to prosecute ith (list name and
Manny W. Schecter (Reg. 31,722), Kev 26,279), Joseph C. Redmond, Jr. (Reg. Kaufman (Reg. 29,551), Richard M. Lu Louis P. Herzberg (Reg. 41,500), Danie 46,134), Douglas W. Cameron (Reg. 31	18,753), Marc A. Ehrlich, (Regardwin (Reg. 33,010), Robert P. 7 21 P. Morris (Reg. 32,053), Paul	g. 39,966), Derek S. Jennings (Reg. 41,4 l'assinari (Reg. 36,030), Robert M. Trep J. Otterstedt (Reg. 37,411) Marian Und	173) Stephen C. op (Reg. 25,933), derweiser (Reg.
Send Correspondence to: Douglas	W. Cameron, Intellectual Pro	operty Law Dept.	
IBM Corr	poration, P.O. Hox 218, Yor	kLown Heights, New York 10598	
Direct Telephone Calls to: (name :	and telephone number) <u>Dougl</u>	as W. Cameron at (914) 945-3244	
Motohiro Kawahito		****	
Full name of sole or first	inventor		
Inventor's Signature		Date	
<u>683-29 Kamitsuruma, Sagami</u> Residence	hara-shi, Kanaqawa-ken	. Japan	
Japan			
Citizenship			
Same as above.			
Post Office Address			



DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION	
Widowski Marsa.	
Hideaki Komatsu Full name of second joint-inventor, if any	
Inventor's signature	Date
1-24-5-1004 Kagahara, Tsuzuki-ku, Yokohama-shi, Japan Residence	
Japan	
Citizenship	
Same as above. Post Office Address	
John Craig Whaley	
Full name of third joint-inventor, if any	7 .
Investor's signature	7-11-2007
/ 151 Calderon Avenue #194, Mountain View, California 94041	
Residence	
USA Citizenship	
Same as above.	
Post Office Address	
Full name of fourth joint-inventor, if any	
Inventor's Signature	Date
Residence	
Citizenship	
Post Office Address	
Full name of fifth joint inventor, if any	
Inventor's Signature	Date
Residence	
Citizenship	
Post Office Address	
Full name of sixth joint-inventor, if any	
Inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

4 D45 4077 TO 045

Atty. cket No. JP920000420US1

## RECORDATION FORM COVER SHEET PATENTS ONLY

1	er of Patents and Trademarks:
Please record the attached original	ginal documents or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving
Motohiro Kawahito	party(ies):
Hideaki Komatsu	Name: International Business
John C. Whaley	Machines Corporation
	Address: New Orchard Road
	Armonk, NY 10504
Additional name(s) of conveying	<b>1</b>
party(ies) attached?Yes _X_No	Additional name(s) & addresses
	attached? Yes X No
3. Nature of conveyance:	4. Patent Application number(s)
X Assignment	
Execution Date(s):	Execution Date(s):
Execucion Date(s):	Execution Date(s):
5. Name and address of party to	6. Total number of applications
whom correspondence concerning	involved: 1
document should be mailed:	
Name: Douglas W. Cameron	7. Total fee (37 CFR 3.41): \$40.00
Address: IBM Corporation	
Intellectual Property Law	X Charge to Deposit Account No.:
P.O. Box 218	09-0468
Yorktown Heights, NY 10598	
DO NOT USE	THIS SPACE
8. Statement and signature.	
,	
To the best of my knowledge and belief, th	e foregoing information is true and
correct and any attached copy is a true co	py or griging document
Douglas W. Cameron (Reg. No. 31,596)	Louis 6/26/02
Name of Person Signing	Signature Date
Total Number of pages i	ncluding cover sheet.
attachments, and docume	

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As a below named inventor, I hereby declare that:

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Docket No. <u>JP920000420US1</u>

Same as above. Post Office Address

### DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

Hideaki Komatsu Full name of second joint-inventor, if any	
	T (12 ( 2) 2
Hideahi Komaten	Tune/13/2002
	Date
1-24-5-1004 Kagahara, Tsuzuki-ku, Yokohama-shi, Japan Residence	
Japan	
Citizenship	
Same as above. Post Office Address	
Taba Casia Mhalas	
John Craiq Whaley Full name of third joint-inventor, if any	**************************************
Inventor's signature	Date
151 Calderon Avenue #194, Mountain View, California 94041	
Residence	
<u>USA</u> Citizenship	
Same as above.	
Post Office Address	
Full name of fourth joint-inventor, if any	
Inventor's Signature	Date
Residence	
Citizenship	· · · · · · · · · · · · · · · · · · ·
•	
Post Office Address	
Full name of fifth joint inventor, if any	
, ,	
Inventor's Signature	Date
Bookstone	
Residence	
Citizenship	
Post Office Address	
Full name of sixth joint-inventor, if any	
Inventor's signature	Date
Residence	
Citizenship	
Post Office Address	



IBM Docket) JP920000420US1

## Assignment

Whereas, we INVENTOR (1) Motohiro Kawahito of Kanagawa-ken AND CITY and Country of Japan County of INVENTOR of Yokohama-shi (2) Hideaki Komatsu AND CITY and Country of Japan County of INVENTOR (3) John C. Whaley of Mountain View AND CITY County of and State of California INVENTOR AND CITY of County of and State of have invented certain improvements in PROGRAM OPTIMIZATION METHOD AND COMPILER TITLE USING THE PROGRAM OPTIMIZATION METHOD

and executed, respectively, a United States patent application therefor on

DATES THAT (1)  $J_{uh}e/13/$  2002 and (2) INVENTORS (3) 2002 and (4)

June / 13 / 2002, 2002

SIGNED THE DECLARATION

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said applications to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

#### Signed

CITY AND DATE	(1) at Yamato on June /13/	2002,	Morshiro Lawalino		SIGNATURE	
	- ,	•	( Motohiro	- K	lawahito )	INVENTOR
			FIRST NAME	MIDDLE INITIAL	LAST NAME	
CITY AND	(2) at Yamato On June /13/	2002,	Hideshi	Komotess		SIGNATURE
	, .	•	( Hideaki		Comatsu	) INVENTOR
			FIRST NAME	MIDDLE INITIAL	LAST NAME	
CITY AND	(3) at					
DATE	on	2002,				SIGNATURE
			( John	C.	Whaley	) INVENTOR
			FIRST NAME	MIDDLE INITIAL	LAST NAME	
CITY AND	(4) at					
DATE	on	2002,				SIGNATURE
			(			) INVENTOR
			FIRST NAME	MIDDLE INITIAL	LAST NAME	